

⟨213⟩ *Rattus norvegicus*

[illegible]

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345

Leu Met Thr Gln Asp Tyr Pro Glu Leu Leu Tyr His Gln Ile Leu Tyr

365

Ala Ser Gly Lys Val Tyr Met Ile Phe Phe Val Met Ile Ser Phe Trp

380

Phe Ala Phe Tyr Leu Thr Ser Leu Phe Leu Gly Ile Leu Thr Met Thr

395

Tyr Glu Lys Glu Lys Gln Arg Ala Cys Glu Glu Ser Gly Gly Leu Asp

410

Pro Lys Cys Gln Gln Thr Val Lys Glu Leu Asp Glu Glu Asn Asp Ala

425

Ala Glu Met Glu Thr Thr Gln Ile Glu Met Lys Lys Arg Ser Pro Thr

445

Ser Ile Asn Thr Thr Leu Asp Ile Leu Glu Asp Thr Thr Leu Gly His

460

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Arg Glu Glu Pro Glu Thr Ser Arg Lys Lys Cys Pro Ile Cys Trp His

465

470

475

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Lys Phe Ile Lys Thr Cys Phe Ile Trp Lys Cys Ser Pro Cys Trp Val

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490

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Lys Leu Asn Glu Phe Ala Asp Arg Val Ile Thr His Pro Leu Ala Asp

495

500

505

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510

515

520

525

gaa cat ttt cca atg agc gag gag ctc agg tct ctc ctt cac gtt gga 1874

Glu His Phe Pro Met Ser Glu Glu Leu Arg Ser Leu Leu His Val Gly

530

535

540

aat ttg gtt ttt att gga att tac aca ata gaa ctg att ttg aag ata 1922

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545

550

555

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560

565

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 575 580 585

gtt gaa gga cta gct gtt tta ata aca gtc cca ttg ata ttt ata aaa 2066  
 Val Glu Gly Leu Ala Val Leu Ile Thr Val Pro Leu Ile Phe Ile Lys  
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 Lys Asp Cys Val Cys His Ile Lys Glu Asp Cys Gln Pro Gln Arg Trp  
 655 660 665

cac atg agt gac ttc ctt cat gcc tac atg acc gtg ttc cga atc ctc 2306  
 His Met Ser Asp Phe Leu His Ala Tyr Met Thr Val Phe Arg Ile Leu  
 670 675 680 685

tgt gga gag tgg ata gag aca tta tgg gag tgt atg gag gtt gca ggc 2354





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| Glu Lys Thr Pro Val Thr Glu Ser Glu Ser Gln Ser Leu Ile Ala Ser      |     |     |     |
| 815  | 820 | 825 |     |
| ccc agt gcc tct gaa act gtg ccg att gct tca gga gaa tct gat ata 2786 |     |     |     |
| Pro Ser Ala Ser Glu Thr Val Pro Ile Ala Ser Gly Glu Ser Asp Ile      |     |     |     |
| 830  | 835 | 840 | 845 |
| gaa aat ctg gat aac aag gag act cgg agc aag tct ggg aat gga ggc 2834 |     |     |     |
| Glu Asn Leu Asp Asn Lys Glu Thr Arg Ser Lys Ser Gly Asn Gly Gly      |     |     |     |
|  | 850 | 855 | 860 |
| agt aaa gag aaa atg aag cag tct agc tca tct gag tgc agc aca gtt 2882 |     |     |     |
| Ser Lys Glu Lys Met Lys Gln Ser Ser Ser Ser Glu Cys Ser Thr Val      |     |     |     |
|  | 865 | 870 | 875 |
| gat atc gct att tct gaa gaa gaa gaa atg gtc tat gaa cat gaa aag 2930 |     |     |     |
| Asp Ile Ala Ile Ser Glu Glu Glu Glu Met Val Tyr Glu His Glu Lys      |     |     |     |
| 880  | 885 | 890 |     |
| tca aag ctt cat aaa aat ggt tat gaa cgc aaa tct tca act ggt caa 2978 |     |     |     |
| Ser Lys Leu His Lys Asn Gly Tyr Glu Arg Lys Ser Ser Thr Gly Gln      |     |     |     |
| 895  | 900 | 905 |     |
| atc agt aga gaa tct agg aat gga aag att tgg aaa aac atc agg aaa 3026 |     |     |     |
| Ile Ser Arg Glu Ser Arg Asn Gly Lys Ile Trp Lys Asn Ile Arg Lys      |     |     |     |
| 910  | 915 | 920 | 925 |



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aca acc tta ccc act gtg agc gtg ttt cta gtc tgc cta atg atc tgg 3458  
 Thr Thr Leu Pro Thr Val Ser Val Phe Leu Val Cys Leu Met Ile Trp  
 1055 1060 1065

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 Glu Cys Ile Asp Pro Thr Lys Gly Glu Arg Phe Pro Val Phe Glu Val  
 1090 1095 1100

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 Met Asn Lys Ser Gln Cys Glu Lys Leu Leu Phe Asn Glu Ser Met Pro  
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 1120 1125 1130

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 Ser Leu Leu Gln Val Ala Thr Phe Asn Gly Trp Ile Ser Ile Met Asn  
 1135 1140 1145

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09920653-080304















Ile Arg Thr Phe Arg Ile Leu Lys Ile Ile Pro Leu Asn His Gly Leu  
210 215 220

092053-030301

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| Thr Thr Leu Asp Ile Leu Glu Asp Thr Thr Leu Gly His Arg Glu Glu |     |     |
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| Pro Glu Thr Ser Arg Lys Lys Cys Pro Ile Cys Trp His Lys Phe Ile |     |     |
| 465   | 470 | 475 |
| Lys Thr Cys Phe Ile Trp Lys Cys Ser Pro Cys Trp Val Lys Leu Asn |     | 480 |
|   | 485 | 490 |
|   |     | 495 |
| Glu Phe Ala Asp Arg Val Ile Thr His Pro Leu Ala Asp Leu Phe Leu |     |     |
| 500   | 505 | 510 |
| Val Ile Cys Ile Val Leu Asn Ile Cys Phe Leu Ala Leu Glu His Phe |     |     |
| 515   | 520 | 525 |
| Pro Met Ser Glu Glu Leu Arg Ser Leu Leu His Val Gly Asn Leu Val |     |     |
| 530   | 535 | 540 |
| Phe Ile Gly Ile Tyr Thr Ile Glu Leu Ile Leu Lys Ile Ile Ala Met |     |     |
| 545   | 550 | 555 |
|   |     | 560 |
| His Pro Tyr Gly Tyr Phe Gln Ile Ser Trp Asn Ile Phe Asp Ser Ile |     |     |
|   | 565 | 570 |
|   |     | 575 |
| Leu Val Val Leu Glu Leu Thr Glu Ile Leu Leu Ala Asp Val Glu Gly |     |     |
|   | 580 | 585 |
|   |     | 590 |
| Leu Ala Val Leu Ile Thr Val Pro Leu Ile Phe Ile Lys Leu Gly Lys |     |     |
| 595   | 600 | 605 |
| Tyr Gly Pro Pro Phe Lys Ser Leu Met Arg Ile Leu Gly Ser Ser Leu |     |     |
| 610   | 615 | 620 |
| Met Ala Leu Lys Asp Leu Val Leu Leu Leu Cys Ile Phe Val Tyr Phe |     |     |
| 625   | 630 | 635 |
|   |     | 640 |
| Ser Ala Val Phe Gly Met Lys Leu Phe Gly Arg Ser Tyr Lys Asp Cys |     |     |
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|   |     | 655 |
| Val Cys His Ile Lys Glu Asp Cys Gln Pro Gln Arg Trp His Met Ser |     |     |
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| Asp | Phe | Leu | His | Ala | Tyr | Met | Thr | Val | Phe | Arg | Ile | Leu | Cys | Gly | Glu |  |
|     |     | 675 |     |     |     |     |     | 680 |     |     |     |     |     |     | 685 |  |
| Trp | Ile | Glu | Thr | Leu | Trp | Glu | Cys | Met | Glu | Val | Ala | Gly | Gln | Ala | Trp |  |
|     |     | 690 |     |     |     |     |     | 695 |     |     |     |     |     |     | 700 |  |
| Cys | Ile | Pro | Phe | Tyr | Met | Met | Val | Ile | Leu | Ile | Gly | Asn | Leu | Leu | Ile |  |
|     |     | 705 |     |     |     |     | 710 |     |     |     | 715 |     |     |     | 720 |  |
| Leu | Tyr | Leu | Phe | Val | Thr | Leu | Val | Ser | Ser | Phe | Ser | Tyr | Tyr | Asp | Ala |  |
|     |     |     |     | 725 |     |     |     |     |     | 730 |     |     |     |     | 735 |  |
| Thr | Ser | Glu | Val | Asn | Lys | Glu | Ala | Lys | Asn | Leu | Gln | Leu | Ala | Met | Ala |  |
|     |     |     | 740 |     |     |     |     |     | 745 |     |     |     |     |     | 750 |  |
| Arg | Ile | Lys | Ser | Gly | Ile | Asn | Ser | Met | Leu | Leu | Lys | Leu | Met | Cys | Thr |  |
|     |     |     | 755 |     |     |     |     |     | 760 |     |     |     |     |     | 765 |  |
| Glu | Arg | Ser | Val | Pro | Thr | Glu | Ala | Thr | Asp | Gln | Ile | Cys | Asp | Pro | Ser |  |
|     |     | 770 |     |     |     |     |     |     | 775 |     |     |     |     |     | 780 |  |
| Val | Lys | Glu | Asn | Ile | Ser | Gly | His | Thr | Leu | Ser | Glu | Leu | Ser | Asn | Thr |  |
|     |     | 785 |     |     |     |     |     |     | 790 |     |     |     |     |     | 795 |  |
| Gln | Thr | Phe | Leu | Arg | Tyr | Lys | Asp | Gln | Ser | Ser | Ser | Thr | Glu | Lys | Thr |  |
|     |     |     |     | 805 |     |     |     |     |     |     | 810 |     |     |     | 815 |  |
| Pro | Val | Thr | Glu | Ser | Glu | Ser | Gln | Ser | Leu | Ile | Ala | Ser | Pro | Ser | Ala |  |
|     |     |     | 820 |     |     |     |     |     |     |     | 825 |     |     |     | 830 |  |
| Ser | Glu | Thr | Val | Pro | Ile | Ala | Ser | Gly | Glu | Ser | Asp | Ile | Glu | Asn | Leu |  |
|     |     |     | 835 |     |     |     |     |     |     |     | 840 |     |     |     | 845 |  |
| Asp | Asn | Lys | Glu | Thr | Arg | Ser | Lys | Ser | Gly | Asn | Gly | Gly | Ser | Lys | Glu |  |
|     |     | 850 |     |     |     |     |     |     |     |     |     |     |     |     | 855 |  |
| Lys | Met | Lys | Gln | Ser | Ser | Ser | Ser | Glu | Cys | Ser | Thr | Val | Asp | Ile | Ala |  |
|     |     | 865 |     |     |     |     |     |     |     |     |     |     |     |     | 870 |  |
| Ile | Ser | Glu | Glu | Glu | Glu | Met | Val | Tyr | Glu | His | Glu | Lys | Ser | Lys | Leu |  |
|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 885 |  |
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|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 895 |  |
| His | Lys | Asn | Gly | Tyr | Glu | Arg | Lys | Ser | Ser | Thr | Gly | Gln | Ile | Ser | Arg |  |





|   |      |      |      |
|---|------|------|------|
|   | 1365 | 1370 | 1375 |
| Leu Pro Ala Leu Leu Asn Ile Ser Leu Leu Ile Phe Leu Val Met Phe |      |      |      |
| 1380  | 1385 | 1390 |      |
| Ile Tyr Ala Ile Phe Gly Met Tyr Asn Phe Ala Tyr Val Lys Lys Glu |      |      |      |
| 1395  | 1400 | 1405 |      |
| Ala Gly Ile Asn Asp Val Ser Asn Phe Glu Thr Phe Gly Ser Ser Met |      |      |      |
| 1410  | 1415 | 1420 |      |
| Leu Cys Leu Phe Gln Val Thr Thr Phe Ser Gly Trp Asp Gly Met Leu |      |      |      |
| 1425  | 1430 | 1435 | 1440 |
| Asp Ala Ile Phe Asn Ser Gln Trp Ser Asp Cys Asp Pro Asp Lys Ile |      |      |      |
| 1445  | 1450 | 1455 |      |
| Asn Pro Gly Thr Gln Val Lys Gly Asp Cys Gly Ser Pro Ser Val Gly |      |      |      |
| 1460  | 1465 | 1470 |      |
| Ile Ser Tyr Phe Val Ser Tyr Ile Leu Ile Ser Trp Leu Ile Ile Val |      |      |      |
| 1475  | 1480 | 1485 |      |
| Asn Met Tyr Ile Val Leu Ile Met Glu Phe Leu Ser Ile Pro Ser Gln |      |      |      |
| 1490  | 1495 | 1500 |      |
| Lys Lys Ser Arg Thr Leu Ser Glu Asp Asp Phe Arg Arg Phe Phe Arg |      |      |      |
| 1505  | 1510 | 1515 | 1520 |
| Val Trp Asn Arg Phe Asp Pro Asp Arg Thr Gln Tyr Ile Asp Ser Ser |      |      |      |
| 1525  | 1530 | 1535 |      |
| Lys Leu Ser Asp Phe Ala Ala Ala Leu Asp Pro Pro Leu Phe Met Ala |      |      |      |
| 1540  | 1545 | 1550 |      |
| Lys Pro Asn Lys Gly Gln Leu Val Ala Met Asp Leu Pro Met Ala Ala |      |      |      |
| 1555  | 1560 | 1565 |      |
| Gly Asp Arg Ile His Cys Leu Asp Ile Leu Leu Ala Phe Thr Lys Arg |      |      |      |
| 1570  | 1575 | 1580 |      |
| Val Met Gly Lys Asp Glu Arg Val Glu Lys Ile Leu Ser Glu Ile Glu |      |      |      |
| 1585  | 1590 | 1595 | 1600 |



Ser Gly Phe Met Leu Ala Asn Pro Phe Lys Ile Thr Tyr Glu Pro Ile

1605

1610

1615

Thr Thr Thr Leu Lys Arg Lys Gln Glu Ala Val Ser Ala Thr Ile Ile

1620

1625

1630

Gln Arg Ala Tyr Lys Ser Tyr Arg Leu Arg Gln Asn Asp Lys Asn Val

1635

1640

1645

Ser Asp Thr Pro Ala Ile Asp Asp Arg Arg Asp Asp Leu Thr Ser Lys

1650

1655

1660

Gly Ala His Ser Gly Lys Ile Glu Glu Lys Ala Ser Ile Gln Thr Gln

1665

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1675

1680

Ile

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